

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 59122219
PUBLICATION DATE : 14-07-84

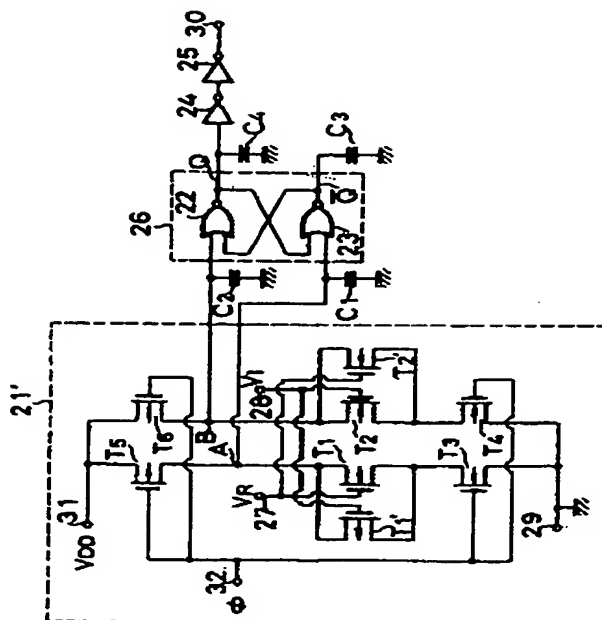
APPLICATION DATE : 28-12-82
APPLICATION NUMBER : 57233413

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INT.CL. : H03K 3/02 H03K 5/08

TITLE : COMPARATOR



ABSTRACT : PURPOSE: To expand a comparable voltage range up to 0V~ power supply voltage by constituting a transistor (TR) part applying reference voltage and comparing voltage by parallel connection of p, n channel TRs.

CONSTITUTION: When voltage inputs VI, VR are higher than the threshold voltage VTHN of n-channel TRs T₁, T₂, the Q output of an R-S FF26 is "1" at VI>VR and "0" at VI<VR. If the inputs VI, VR is lower than the VTHN, n-channel TRs T₁, T₂ are cut off, but p-channel TRs T₁', T₂' are kept at on-status during a precharging period when TRs T₅, T₆ are off and also during a discharging period when the TRs T₅, T₆ are on. Therefore, normal comparison is also executed in the lower case of the inputs VI, VR and "1" level signals and "0" level signals are obtained from a Q output terminal and a compared output terminal 30 at VI>VR and VI<VR respectively.

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